

Investigate Properties of Similar Triangles

Date: _____

A. Congruent Triangles

Two triangles that are equal in all respects. Corresponding angles are equal in measure and corresponding sides are equal in length. Congruent triangles also have equal area.

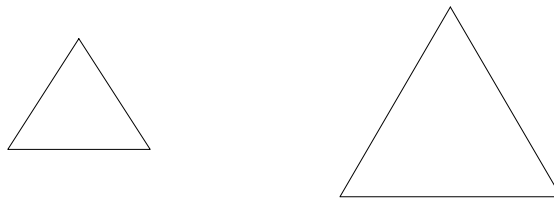
EX:



B. Similar Triangles

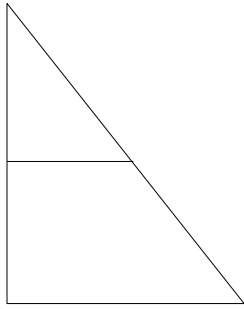
Two triangles that have the same shape, but not the same size. Corresponding angles are equal in measure and corresponding sides have equal **RATIOS**. “Corresponding sides are **PROPORTIONAL**.”

EX:



EX: Name the pair of similar triangles and explain why they are similar.

A.



B.

